

# NS1 Rust Buster

## Rust Converter and Primer



*Duram NS1 Rust Buster* is a rust converter and primer that instantly converts rust to a primed, paintable surface. Use on corroded iron and steel particularly in difficult, hard to reach areas.



### PRODUCT USES

- Rust converter and primer – instantly converts rust to a primed, paintable surface.
- Corroded iron and steel.
- Ideal for difficult, hard to reach areas.
- For roofs, gates, fences, handrails, burglar bars and structural steel.
- Interior and exterior use.



### ADVANTAGES

- Instantly converts rust to a primed, paintable surface.
- Works in seconds.
- Neutralises red rust to a blue-black hard film.

- Resistant to flash rust.
- Saves time and labour.
- Preserves, protects and conditions metal.
- Excellent adhesion.
- Low water permeability.
- Water-based – water clean up.



### COVERAGE

- 1 coats @ 12 – 14m<sup>2</sup>/litre per coat. Depending on surface conditions.

Approximate m<sup>2</sup> coverage per pack size.  
Based on one coat.

<b>500ml</b> = 6.5m <sup>2</sup>	<b>1 L</b> = 13m <sup>2</sup>	<b>5 L</b> = 65 m <sup>2</sup>
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### SURFACE PREPARATION

#### CORRODED IRON AND STEEL

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae, fungi, lichens, oil and grease.
- Remove all loose, flaking, and embedded rust, mill scale and paint by simply scraping it off with abrasive tools such as coarse sandpaper, a wire brush or mechanical grinder for large areas. Finish with a fine grain sandpaper to smooth the surface. Bring metal back to a sound condition.
- Clean substrate with *Duram NS2 Galvanized Iron* as per instructions.



### APPLICATION

- Stir *Duram NS1 Rust Buster* well using a flat paddle.
- To avoid any contamination from the brush, decant what is needed.
- Thinning is not recommended.
- Apply one generous coat of *NS1 Rust Buster* to rusted, dry metal surfaces with a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a roller, airless spray (use 17, 19 or 21 thou nozzle sizes), or by air assisted spray if thinned with 5% – 10% water.
- Surface will turn blue / black in colour in 2 - 3 hours as the chemical reaction takes place. If *NS1 Rust Buster* is applied to a non-rusted surface, *NS1 Rust Buster* will remain clear.
- Drying time: 3 - 4 hrs.
- Sand lightly for a smoother texture.

- Do not apply water-based paints directly to **NS1 Rust Buster** - prime with **Duram NS5 Metcote Etch Primer** as per instructions. Solvent-based paints can be applied direct.
- For optimal protection against corrosion, apply **Duram NS4 Anti-Rust Primer** within 12 hours as per instructions, and immediately for coastal environments, before applying the topcoat.



#### CLEANING

- Water Clean-Up



#### IMPORTANT

- Call our Technical Helpline or visit [duram.co.za](http://duram.co.za) for queries and updated Datasheets and Material Safety Datasheets.
- Take care when lifting and carrying. In transit, keep tightly closed in a secure upright position.
- Whilst every care is taken in manufacture, no warranty is given relating to use. • Protect the substrate against corrosion using the correct paint system built up from a number of coats as specified.
- Do not mix with Mineral Turpentine.
- Duram NS1 Rust Buster must be overcoated.
- Observe special precautions in aggressive environments such as coastal and industrial areas.
- Do not apply outside if rain is expected. Apply when ambient and surface temperatures are between 5°C to 35°C. Not suitable for substrates continually above 60°C.
- Keep cool and protect against freezing.
- Do not put used product back into the container. Donate unwanted paint. Dispose contents responsibly - do not empty into drains or watercourses. Recycle empty container.



#### SAFETY PRECAUTIONS

- Duram NS1 is water-based and is generally safe to use.
- Keep out of reach of children.
- If swallowed: Immediately call a poison centre / doctor.
- If on skin: Wash with plenty of soap and water.
- Use in a well-ventilated area. If experiencing respiratory symptoms: Move person to fresh air. Call a doctor.
- If in eyes: Rinse with water.



#### SUPPORTING PRODUCTS



Duram  
NS2 Galvanized Iron  
Cleaner



Duram  
NS4 Anti-Rust Primer



Duram  
NS8 Metal Topcoat



Duram  
NS5 Metcote Etch  
Primer



Duram  
Universal Undercoat



## YOU MAY ALSO NEED

- 220 Grit Water Paper
- Primers and Undercoats
- Enamel paint for trims, doors and windows
- Anti-fungal wash
- High Pressure Cleaner
- Paper towel and cloths
- Wire brush, sandpaper or steel wool
- Masking tape
- Tape measure and stanley blade
- Drop sheets
- Ladder
- Paint scraper
- Screwdriver or paint can opener
- Paint stirrer or flat paddle
- Protective gloves/protective clothing/eye protection/face protection
- Paint tray lined with foil to save clean-up time
- Medium to heavy pile roller
- Extension pole
- Additional utensils/products may be required in the preparation of surfaces.



## TECHNICAL DATA

<b>Type</b>	Vinyl Acrylic with rust converting agent	<b>Service Temp</b>	0°C to 60°C
<b>Pack size</b>	500ml, 1 litre, 5 litre	<b>Application Temp</b>	5°C to 50°C
<b>No of components</b>	1	<b>Density</b>	1,2g/cm <sup>3</sup>
<b>Colour</b>	Cream coloured liquid, which turns blue-black when reaction is complete.	<b>Toxicity</b>	Moderately toxic when wet.
<b>Touch Dry time</b>	2 to 3 hours	<b>Shelf Life</b>	1 Year
<b>Overcoating time</b>	4 to 5 hours depending on climatic conditions	<b>Storage</b>	Undercover in cool, dry conditions, max. 40°C
<b>Volume Solids</b>	30% to 33%		

Technical details above are provided in good faith. We believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

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